



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
JACKSON ENVIRONMENTAL FIELD OFFICE
1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316
Division of Water Resources
PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

July 8, 2015

Mr. Jay Oliver
P.O. Box 308
Henry, TN 38231

Re: Compliance Evaluation Inspection (CEI)
Brevard T&T Permit Tracking No. SOPC00101
Herrondale West Road Henry, Henry County, Tennessee 38231

Dear Mr. Oliver;

I conducted a Compliance Evaluation Inspection (CEI) of Brevard T&T on June 25, 2015. I met with you and Mr. Danny Ham at the facility. At the time of my inspection you indicated that approximately 9,600 swine were housed on-site. All required records were being maintained at the facility, which included the following: waste storage system inspections, freeboard records, stormwater controls inspections, daily rainfall, daily waterline inspections, compost temperature records, manure analyses, and soil analyses. You also had submitted your Annual Report for 2014.

While reviewing your soil analyses, I noticed there was a field which was not included in your Comprehensive Nutrient Management Plan (CNMP) nor was it shown as a third party manure transfer. This field was identified as the Spud Hays field. Manure application records indicated Tosh Farms had applied manure from the Brevard T&T facility to the Spud Hays field twice during the month of May 2015. On Friday June 26, 2015 you emailed me (2) third party manure transfer forms, showing manure transferred from the Brevard T&T facility to Tosh Farms, for the manure that was land applied to the Spud Hays Field in May of 2015. After discussing with staff in the Nashville Central Office, it was decided that the Spud Hays field should be added to the CNMP rather than shown as a third party manure transfer. Please update the CNMP for the Brevard T&T facility to include manure application to the Spud Hays field. Once updated, please email the updated CNMP to Kevin.X.Smith@tn.gov.

While walking around the two deep pits barns off of Radford Lake Road I observed open access to a small pit beneath the hallway which joins the two deep pit barns. You indicated the pit beneath the hallway was not connected to the deep pits beneath each of the barns. I observed manure in the pit beneath the hallway on the day of my inspection. You indicated that manure from the pit beneath the hallway is pumped to one of the deeper pits as needed. There was not an adequate cover over the pit access to prevent rainwater from entering the pit beneath the hallway. An adequate cover should be placed over the access to the pit beneath the hallway to prevent rainwater from entering into the pit. When I talked to you on July 8, 2015 you indicated this had been corrected the previous week.

Mortalities are exported off-site to the Gilkey T&T facility compost shed. The Gilkey T&T facility has a covered 20 bay compost shed. Sawdust is used as the carbon source. At the time of my inspection, workers at the Gilkey T&T facility were in the process of taking mortalities from the barns to the compost shed and there were two uncovered hogs observed in one of the compost bays. You indicated once they were finished getting all the mortalities to the compost shed they would cover all the dead hogs. I also noticed some leachate in some of the compost bays. However, there wasn't any leachate running out of


the compost bays on the day of my visit. You indicated that the workers usually check daily and make sure the leachate is not running out and add sawdust as necessary to absorb the leachate in the bays.

The division encourages you to continue to use best management practices (BMPs) to help protect water quality. Assistance in selecting appropriate BMPs for your facility may be available from USDA-NRCS or the University of Tennessee Extension, should you need it.

I appreciate you and Mr. Danny Ham taking time from your schedules to meet with me for the CEI. Also enclosed, with this letter, is a copy of the completed Facilities Inspection Report from my visit on June 25, 2015.

If you require assistance or have any questions please call me at 731-512-1305 or by email at Kevin.X.Smith@tn.gov.

Thank You,



Kevin Smith, Environmental Scientist 3
TDEC, Division of Water Resources

cc: TDWR-JFO File: Brevard T&T SOPC00101



TDEC - Division of Water Resources
Jackson Field Office

ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID:	SOPC00101	Facility Site Name	Brevard T&T		
		Address	70 Henry Cemetery Road, 1500-2616 Radford Lake Road Henry, TN 38231		
Permit Eff. Date:	August 27, 2012	Permit Exp Date:	May 31, 2015	SIC Code:	0213 Hogs

Compliance Monitoring Information

Compliance Monitoring Activity Name	CAFO Non-Sampling
* If Bio Monitoring is selected above, select the method used:	
Compliance Monitoring Activity	Evaluation

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm):	06/25/2015 9:00	Exit Date/Time (mm/dd/yyyy hh:mm):	06/25/2015 11:30
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Facility Representatives

Jay Oliver / Danny Ham, 731-243-4861	Jamey Tosh, Owner/Operator, 731-243-4861
On-Site Representative(s) Title, Phone Number	Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute:	CWA - Clean Water Act	State Statute:	Tennessee Water Quality Control Act
Programs:	NPDES- Concentrated Animal Feed Operations (CAFO)		

Compliance Monitoring Reason:	Core Program		
Compliance Monitoring Agency Type:	State	Agency Name:	TDEC - DWR
Did EPA assist/ Inspection?	No	Time Physically conducting activity: Days:	1 Hours:
Inspection Type:	State	Compliance Monitoring Action Outcome:	
Lead Agency:	State	Compliance Monitoring Rating Code:	Unrated
If Joint Inspection, what was the purpose of the other party?			

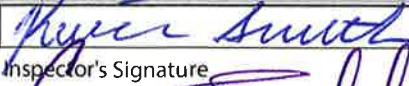

Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self - Compliance Program	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records / Records	<input type="checkbox"/> Compliance Schedule	<input checked="" type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input checked="" type="checkbox"/> Storm Water
<input type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling / Disposal	<input type="checkbox"/> Sanitary Sewer Overflow

Compliance Monitoring Summary

See attached TDEC Inspection letter.

EPA and State Representatives

	TDEC, DWR / Jackson Field Office / 731-512-1305	06/25/2015
Inspector's Signature	Agency / Office / Phone	Date
	TDEC, DWR / Jackson Field Office / 731-512-1305	06/25/2015
Manager's Signature	Agency / Office / Phone	Date

(Note: This form can only be printed to an XPS document, then saved for later use.)



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF WATER RESOURCES

WILLIAM R. SNODGRASS TENNESSEE TOWER

312 ROSA L. PARKS AVENUE, 11TH FLOOR

NASHVILLE TN 37243

1-888-891-8332 (TDEC)

Compliance Inspection for Concentrated Animal Feeding Operation (CAFO)

INSPECTION TYPE									
Routine	<input type="checkbox"/>	Comprehensive	<input checked="" type="checkbox"/>	Complaint	<input type="checkbox"/>	Follow Up	<input type="checkbox"/>	Termination	<input type="checkbox"/>
Facility Name: Brevard T&T					County(ies): Henry				
Street Address or Location: 70 Henry Cemetery Road, 1500-2616 Radford Lake Rd.					Latitude (dd.dddd): 36.192685				
					Longitude (-dd.dddd): -88.444739				
Official Contact: Jamey Tosh			Email: jameytosh@toshfarms.net			Contact Phone: 731-243-4861			
Address: 1586 Atlantic Avenue			City: Henry			State: TN		Zip: 38231	
Inspection Date: 6-25-15			Entry Time: 09:00			Exit Time: 11:30			
Weather Conditions: Sunny, Hot, Temps in 90s			Inspector(s): Kevin Smith						
PERMIT									
Permit Number: SOPC00101			<input checked="" type="checkbox"/> copy available on site						
Issuance Date: August 27, 2012			Expiration Date: May 31, 2015						
Number of Animals the Facility is permitted for: 9,920 swine									
FACILITY INFORMATION									
Type of Operation: Swine									
Current Number of Animals: 9,600									
Number of Animals in Confinement: 9,600									
Number of Houses/Barns: 4 deep pit barns									
Animals have direct contact with Waters? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, explain:									
			<input type="checkbox"/> Assessed as Impaired? List Impairment(s):						
25-year, 24 hour rainfall amount for this location (include source): 6.45 inches, http://hdsc.nws.noaa.gov/hdsc/pfds/									
Description of Facility if unpermitted									
Does facility layout match information provided in approved NMP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No – Attach a sketch or map of current layout.									
NUTRIENT MANAGEMENT PLAN (NMP)									
Facility has NMP <input checked="" type="checkbox"/> yes <input checked="" type="checkbox"/> copy available on site									
<input type="checkbox"/> no									
NMP approved by Tennessee Dept. of Agriculture (NMP approved on: August 14, 2012) <input checked="" type="checkbox"/> yes <input type="checkbox"/> no									
RECORD KEEPING									
Requirement:	Yes	No	Partial	Comments					
Inspections of Waste Storage System	X								
Liquid Systems, Freeboard Records	X								
<input type="checkbox"/> N/A – not a liquid system									
Weekly Inspection of Storm Water Controls	X								
Records of Daily Rainfall	X								
Records of Daily Waterline Inspections	X								
Records of Compost Temperature and Moisture	X			Had records of compost temperature					
Records of Manure Transferred Off Site				N/A manure is land applied to fields covered in NMP					

Copies of Third Party Waste Transfer Forms				N/A manure is land applied to fields covered in NMP
Records of Land Application of Manure	X			There was one field which producer has land applied to that is not in NMP. The field is leased by TOSH Farms and is located on Bunn School Rd. Field was referred to as Spud Hays field on application records.
Maintenance Reports i.e., equipment calibrations		X		Producer indicated he had records of calibration that there employees do but they did not have a copy of the calibration records. Producer indicated they inject the manure.
Annual Manure/Litter Analysis	X			Had manure analysis for all 4 pit barns conducted in 2015
Soil Analysis (min. every 5 years)	X			Had soil analysis done for all land application fields covered under NMP. Analysis were done in 2015.
Annual Reports Submitted to DWR	X			Submitted Annual Report for 2014
Required Training for Employees	X			
Emergency Response Plan	X			Page 11 of the CNMP

MANURE MANAGEMENT (STORAGE)

Manure Storage Structure(s):

- ☐ Holding pond/lagoon, select liner type: ☐ compacted clay ☐ synthetic
☐ Above-ground constructed structure, describe:
☒ Under-house structure (i.e. pit barn)
☐ manure pack house
☐ composting
☐ other

Constructed per NRCS Standards (as shown in NMP)? ☒ Yes ☐ No ☐ Unknown

VISUAL INSPECTION OF MANURE MANAGEMENT STRUCTURE(S)

Requirement:	Yes	No	Comments
Structure(s) appears to be properly maintained	X		
Structure(s) appears to be sound (e.g. no rills, holes, etc. noted)	X		
Rain gauge installed and maintained	X		
Structure(s) maintain liquid waste	X		
Banks are maintained			N/A facility has deep pit barns
Marker is present to gauge freeboard	X		Use a PVC pipe to gauge depth
Freeboard	X		

Notes/Concerns:

During my inspection of the newer pit barns located off of Radford Lake Rd. I noted that there was access to an open pit under the hallway which connects both deep pit barns. It was partially covered but rainfall could go straight in the pit and small animals/rodents could easily get into the pit. I could see manure in the pit on the day of my inspection. The producer indicated that the pit under the hallway is not connected to the deep pit barns. Producer indicated that pit was there because they have scales in the hallway which connect the barns and it is there to collect the waste while the hogs are in the hallway area. The producer indicated the pit is pumped out when it starts to get full into one of the deep pit barns. Producer indicated they would get a more adequate cover for the opening to this pit located under the hallway between the barns.

Do(es) Manure Management Structure(s) match what is described in the NMP? ☒ Yes ☐ No – Attach a sketch or map of current structures.

MANURE MANAGEMENT (UTILIZATION OF NUTRIENTS)

	Yes	No	N/A	Comments
Manure Transferred Off Site				Yet to be determined. The Spud Hays field not covered in the NMP may be a third party transfer.

Facility following manure transfer requirements				Yet to be determined. If application to the Spud Hays field (not covered under the NMP) is deemed to be a third party transfer, producer will need to get a third party transfer form in place.
Manure is Land Applied on Farm	X			
Facility has Adequate Land for manure/litter application	X			
Facility has a schedule for Land Application and is following the schedule	X			
Facility has appropriate setbacks and buffers	X			
- no land application w/in 100 ft. of water features or has a 35 ft. vegetated buffer or a 60 ft. natural riparian buffer	X			
- no land application w/in 100 ft. of potable well	X			
- 60 ft. natural riparian buffer btw. Stream and land application areas for new CAFO adjacent to exceptional TN waters and ONRW	X			

Description of Land Application System if it differs from what is listed in NMP:

All application areas match what is covered in the NMP except for the Spud Hays field. The Spud Hays field is leased by TOSH Farms and is not covered under the producers NMP. Need to determine if this field should be added to the NMP or if a third party transfer needs to be done for this field.

VISUAL INSPECTION OF LAND APPLICATION AREAS

Field	Crop Growing	BMPs/Buffers	Notes
ATLANTIC HOMES	CORN	SEE NOTES BELOW	SEE NOTES BELOW
BOB CHANDLER	SOYBEANS	SEE NOTES BELOW	SEE NOTES BELOW
CJR	SOYBEANS	SEE NOTES BELOW	SEE NOTES BELOW
DON CATES	CORN	SEE NOTES BELOW	SEE NOTES BELOW
G. HASTINGS	CORN	SEE NOTES BELOW	SEE NOTES BELOW
JEFF WYGUL	CORN	SEE NOTES BELOW	SEE NOTES BELOW
TOSH BREVARD	CORN	SEE NOTES BELOW	SEE NOTES BELOW
TOSH HOPPER	CORN	SEE NOTES BELOW	SEE NOTES BELOW
TOSH WYGUL	CORN	SEE NOTES BELOW	SEE NOTES BELOW
SPUD HAYS	SOYBEANS		NOT COVERED UNDER THE NMP

Do Application Areas match information provided in NMP? ☐ Yes ☒ No – Attach a sketch or map of current application areas.

All application areas match what is covered in the NMP except for the Spud Hays field. The Spud Hays field is leased by TOSH Farms and is not covered under the producers NMP. Need to determine if this field should be added to the NMP or if a third party transfer needs to be done for this field.

Corn was approximately 5 feet tall and it has been over a month since last land application. It is hard to gauge BMPs/Buffers with the corn being as tall as it was. I also checked 4 ditches/streams located around the application fields and did not observe any signs of manure run-off on the day of my inspection. Producer indicated they follow all recommended setbacks indicated in NMP.

MORTALITY MANAGEMENT

Are mortalities managed so that discharges of pollutants to surface waters are avoided? ☒ yes ☐ no

Are mortalities managed so that they are not disposed of in manure, stormwater, or process wastewater storage or treatment systems that are not designed to treat animal mortalities? ☒ yes ☐ no

VISUAL INSPECTION OF MORTALITY SITE

Mortality Management On Site

- ☐ burial
- ☐ Class I landfill
- ☐ incineration
- ☐ rendering
- ☒ composting

Other, explain

Facility is Managing Mortality According to the NMP ☒ yes ☐ no (See Below)

Concerns:

Mortalities are carried to the Gilkey T&T facility and composted as indicated in the NMP. I told Mr. Jay Oliver I could wait and inspect the compost facility when I do an inspection at Gilkey T&T. Mr. Oliver indicated that if I wanted to see the compost shed we could drive over and look at it. I told him if he was ok with us going over there after being at the Brevard T&T facility I would go look at it. The compost shed at Gilkey T&T is a covered 20 bay compost shed. All the bays had some compost in them. There were two hogs observed uncovered on the day of my inspection. Employees at Gilkey T&T were in the process of picking up mortalities and placing them in the compost shed. The producer indicated the hogs would be covered shortly. I did observe a tractor with another dead hog in the bucket headed for the compost shed when I was leaving. There was a small amount of leachate observed in some of the bays. I told producer they should watch the leachate and try to keep sawdust on it to soak it up so it does not run-off. Producer indicated that before the end of the day employees there would put sawdust on the leachate in the compost bays. He indicated that is something they check daily and add sawdust if needed. I did observe some compost bays where it appeared this has been done.

BEST MANAGEMENT PRACTICES

Is clean water diverted, as appropriate, from the production area? ☒ yes ☐ no

CHEMICAL MANAGEMENT

Are pesticides and/or other contaminants being disposed of in any manure, litter, process wastewater, or stormwater storage or treatment system not specifically designed to treat such chemicals and other contaminants? ☐ yes ☒ no

Method of Disposal of Chemicals

Sharps are placed in sharps container.

VISUAL INSPECTION OF CHEMICAL STORAGE

Facility is managing chemicals according to the NMP ☒ yes ☐ no

Concerns

DISCHARGES

Has the Facility had a Discharge? ☒ no ☐ yes

- ☐ date(s) _____
- ☐ reported to the Division and/or EPA
- ☐ description of discharge
- ☐ perform required sampling?

Description of Actions taken

General Comments:

All required records are being kept. Need to check and see if the field identified as Spud Hays needs to be added to the NMP for manure application or if third party manure transfer is needed. Adequate cover needs to be placed over pit access for pit located under hallway at the newer pit barns off of Radford Lake Road.

On-Site Contact (if available)

On-Site Contact Name (Print):	On-Site Contact Title:	Signature:	Date:
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TDEC Personnel/Information

Inspector's Name (Print): Kevin Smith	Signature: 	Date: 6/25/15	EFO: Name and Address Jackson Field Office 1625 Hollywood Drive Jackson, TN. 38305
		Time: 11:30	